

## PATENT ABSTRACTS OF JAPAN

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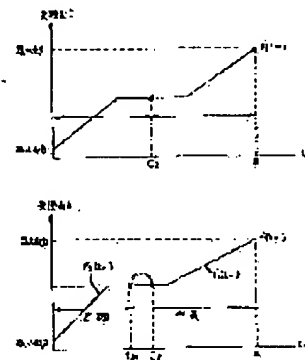
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## (54) ELECTRONIC MUSICAL INSTRUMENT

## (57)Abstract:

PURPOSE: To enable performance with a key touch that a player images by using a touch curve represented by a function conforming with the key touch characteristic of the player.

CONSTITUTION: The touch curve as the 1st function  $f(t_n)$  is stored in a storage means and plural touch data  $t_n$  from a touch sensor which correspond to the key depression of the player are processed statistically to obtain a statistic value, e.g. mean value  $tAV$ ; and the input touch data  $t_n$  for constituting a 2nd function  $f'(t_n)$  corresponding to the obtained mean value  $tAV$  are converted into addresses to be supplied to the storage means. The converted addresses are used to generate a musical sound by using data read out of the storage means as touch data. Consequently, the sound is generated according to new touch curve shown by the 2nd function  $f'(t_n)$  and the sound generation matching the key touch characteristic of the player become possible.



## LEGAL STATUS

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